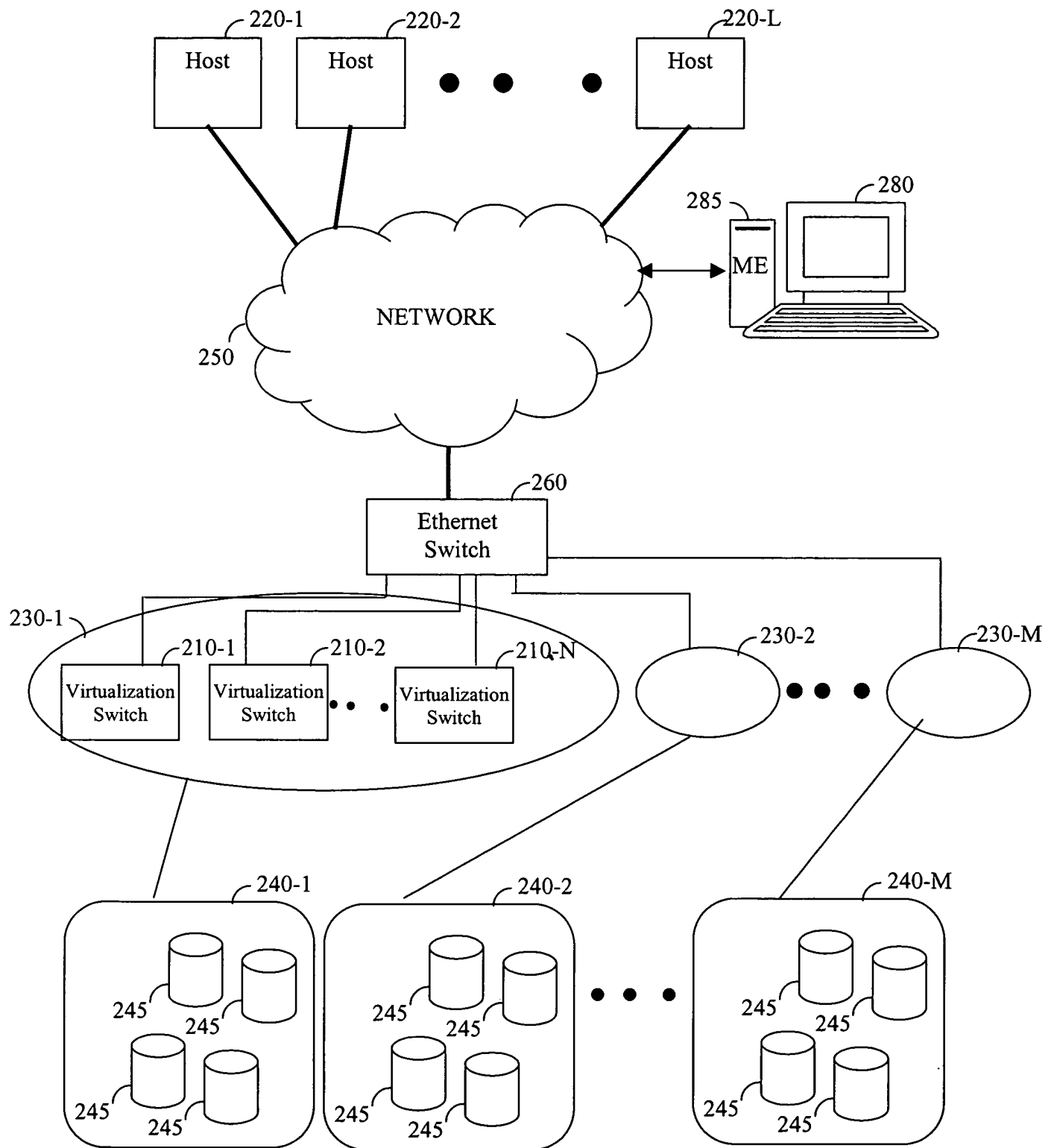


FIGURE 1 (prior art)

200

FIGURE 2



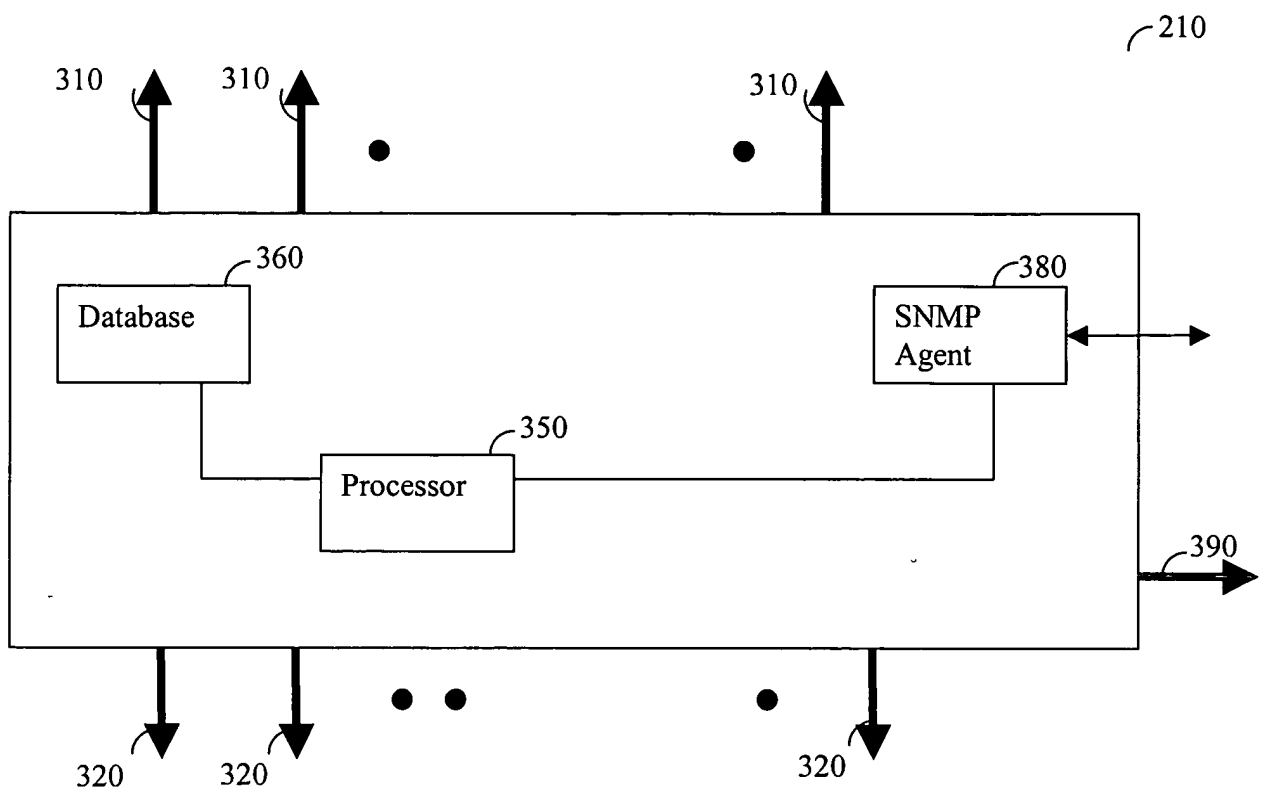


FIGURE 3

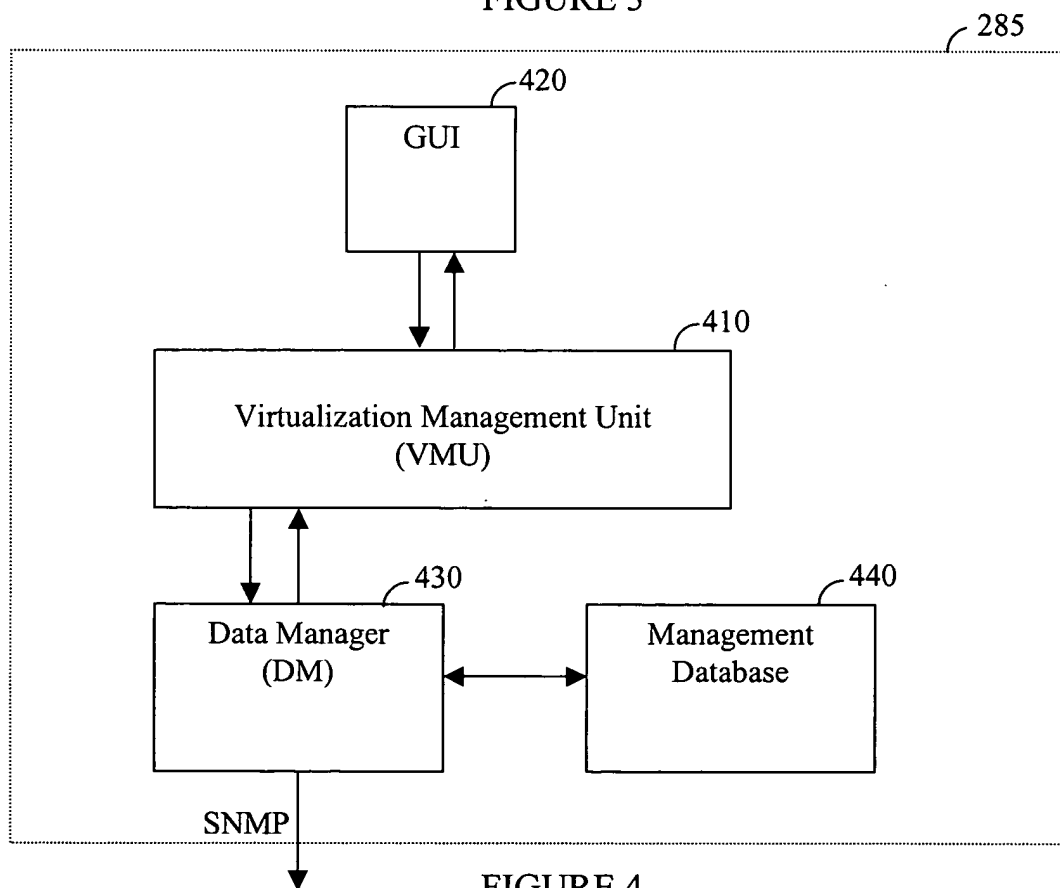


FIGURE 4

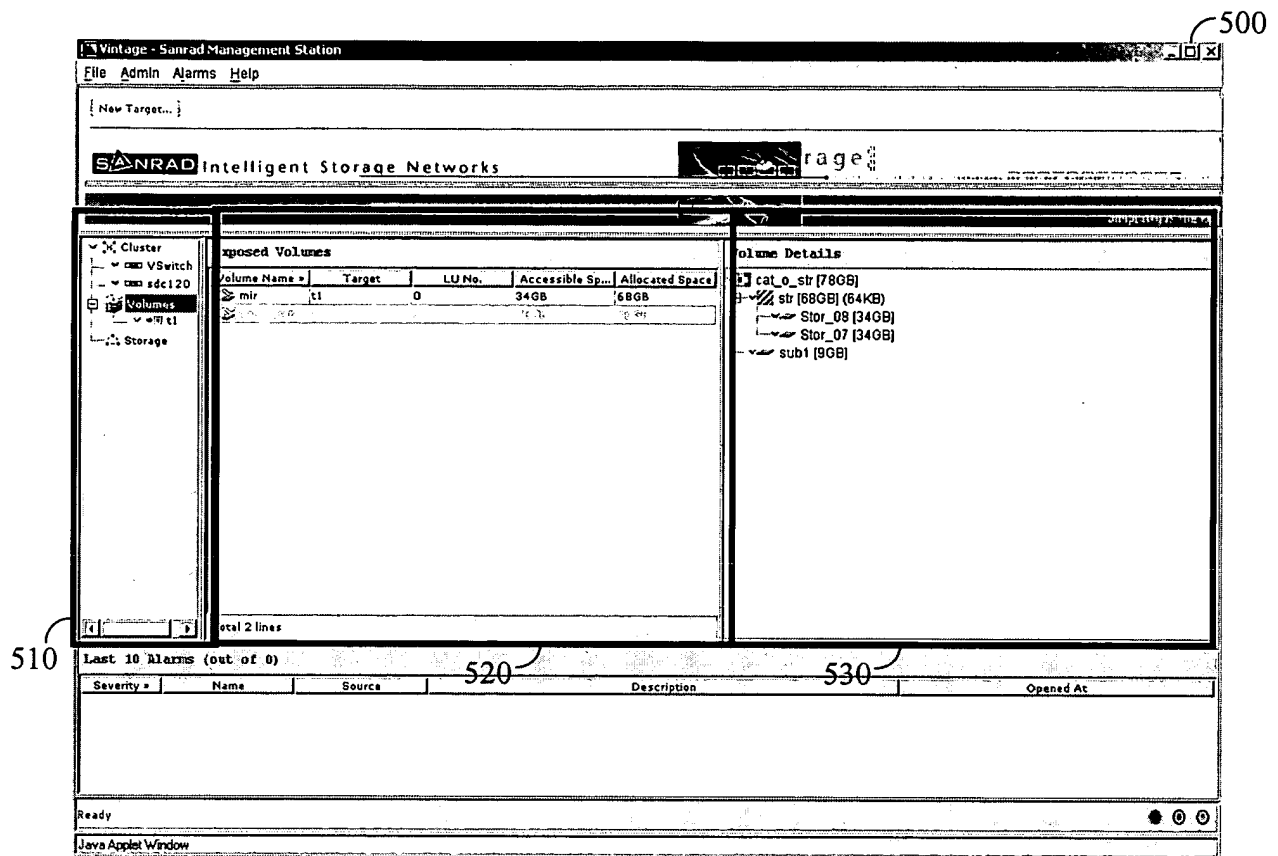


FIGURE 5

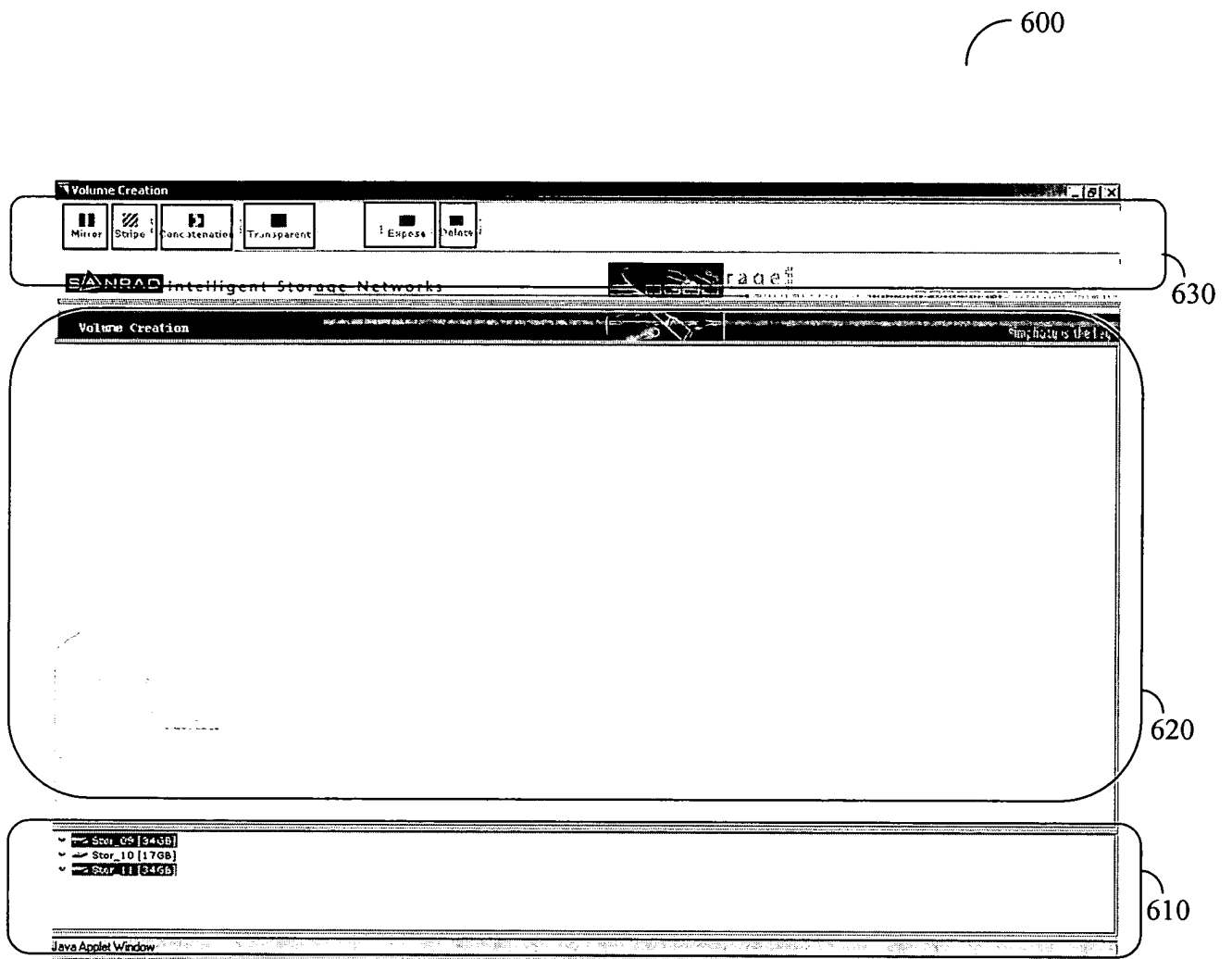


FIGURE 6A

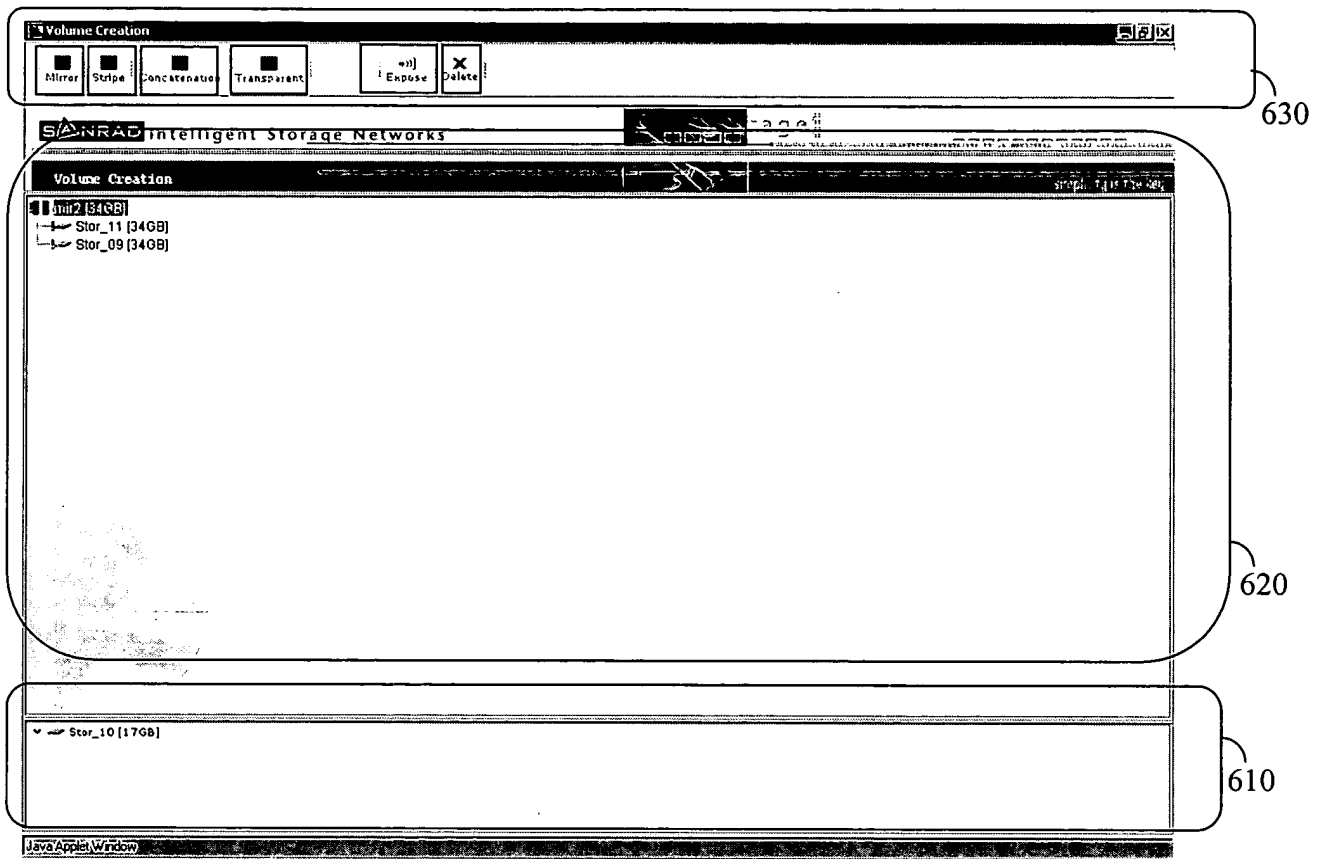


FIGURE 6B

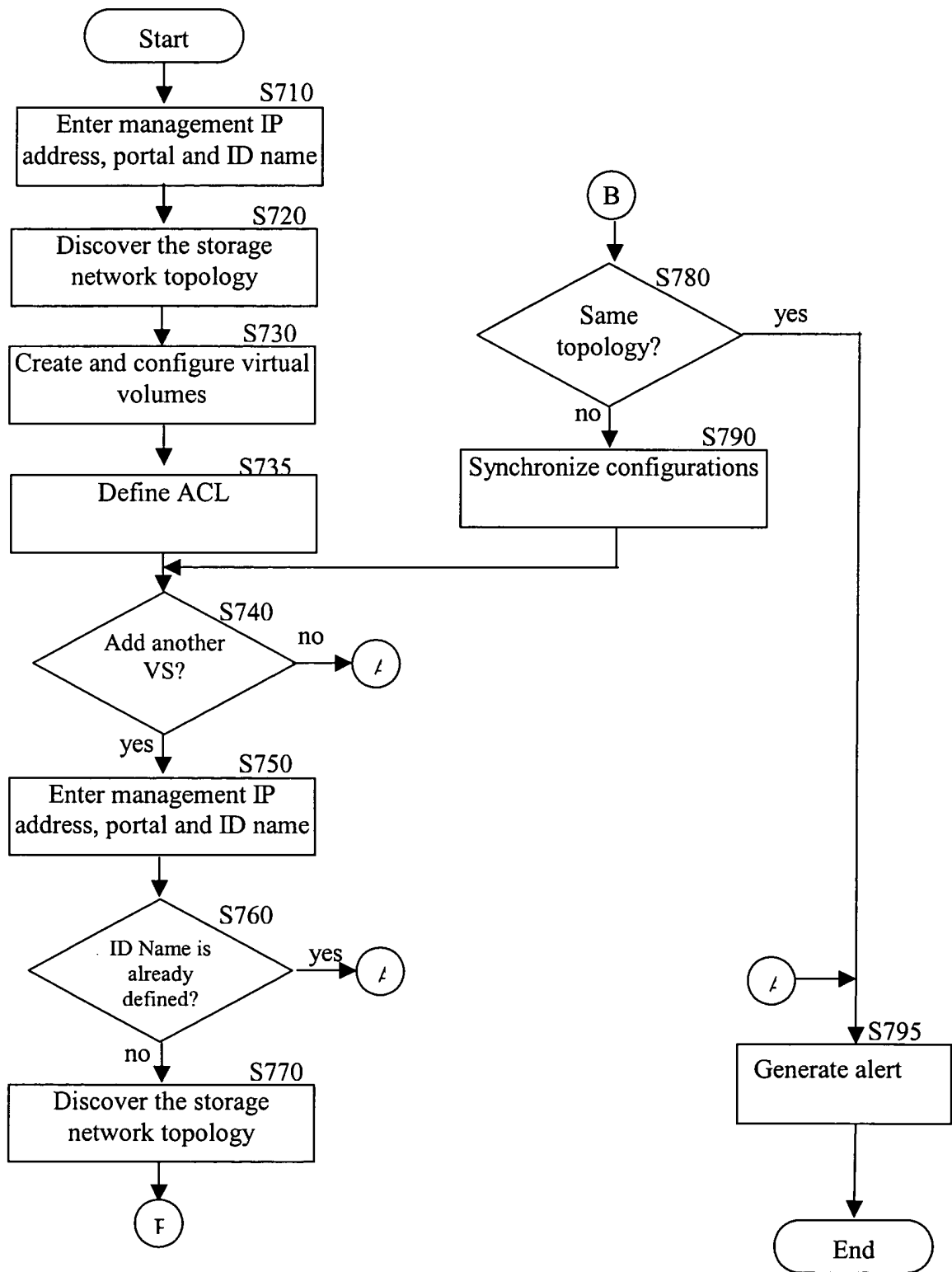


FIGURE 7

FIGURE 8A

Alert	Description
Storage Missing	This alarm occurs if storage has been disconnected.
Storage Invalid	This alarm occurs when a storage device discovered by the virtualization switch was configured differently.
Volume Not Function	A volume is non-functional if it is relying on a storage that is missing or invalid.
Volume Need Synchronization	A volume needs synchronization when it is not synchronized with the other children of a mirror.
Volume Operating 0204	A volume is generally operating while an administrator has initiated a copy activity.
Volume Operating Error	A volume is in operation error state when an operation failed: copy, replace, add mirror, resize and so on.
Mirror Sync	This alarm means that the volume is under a mirror and is synchronizing.
Mirror Sync Error	This alarm means that the mirror synchronization failed.
Mirror is Not Mirror	This alarm means that a mirror volume is not mirroring because the other leg(s) of the mirror are non-functional.
Dummy Sync	This alarm means that another Virtualization Switch of the cluster has performed the mirror synchronization and it has been dummy sync by the current Virtualization Switch.
Sync Aborted	This alarm means that the administrator has aborted mirror synchronization.
Volume Operation Aborted	This alarm means that the administrator has aborted a volume copy.
Expandable	This alarm means that the administrator has resized a volume but did not expand them yet.
Over Used Snapshot	This alarm means that a snapshot is approaching to the limit of its full capacity.
Snapshot Out of Sync	This alarm occurs when a snapshot is no more synchronized with its source. Nothing can be done. Only delete the snapshot volume.
Snapshot Full	This alarm occurs when a snapshot is full and no more synchronized with its source.
Snapshot Modified	This alarm occurs when a snapshot has been exposed with read-write access and was indeed modified.
CPU Temp Threshold	This alarm means that the temperature of the CPU is above the tolerable threshold.
OB Temp Threshold	This alarm means that the on-board temperature is above the tolerable threshold.
Cluster Inc	This alarm occurs when there is at least one Virtualization Switch missing to a cluster in order to provide full redundancy.

ALERT	DESCRIPTION
Neighbor Dead	This alarm occurs when a Virtualization Switch lost connection with one of its neighbors.
Neighbor Susp	This alarm occurs when a Virtualization Switch suspects that it lost connection with one of its neighbors.
Neighbor Unknown	This alarm occurs when a Virtualization Switch does not know the state of one of its neighbors.
LUN Inc	This alarm means that a volume is exposed on a different LUN on the same target on two Virtualization Switches of the cluster.
Attribute Incons	This alarm means that some parameters of an object are different according the Virtualization Switch.
Sub-disk Incons	This means that the subdisks repartition is different according the Virtualization Switch.
Illegal Sub-disk	This means that there is a subdisk on one Virtualization Switch while there is a volume on the whole disk on another Virtualization Switch.
Illegal Volume	This means that the volume is inconsistent in the cluster: its structure is different on each V Switch.
LU Volume Incons	This means that a specific LUN is pointing to two different volumes within the cluster.
Target Volume Inc	This alarm means that a volume is exposed on a different target on two V Switches of the cluster.
TakeOver	This means that the Virtualization Switch has taken over its neighbor.
Inconsistent ACL	This means that the ACL configuration is different within the cluster.
Inconsistent Volume	This means that the volume has not the same number of children in the cluster.
Inconsistent Size	This means that the volume has not the same actual size in all the Inconsistent Switch of the cluster.
Incoherent Switch ID	This means that the id of the switches is identical.
Lun_0 Not Operate	This alarm occurs when a volume exposed on LUN 0 of a target is non functional.
VSwitch Disconnected	This alarm occurs when ME lost connection with a virtualization Switch.
General Inconsistent	This alarm means that there is total incompatibility between ME and the virtualization switches.
Link Down	This alarm occurs when an interface stopped functioning.

FIGURE 8 B